

Spark Gap

Vol. 31, Issue 1, January 2014 *MARC - Serving Central Indiana Communities for thirty-one years*

On Our MARC...

Wow! January came in like a Lion this year. Hopefully it will go out like a lamb and the snow is over. Don't get me wrong, I love the snow, but not as much as we got in one day. Would rather have it spread out over a season.

Now that we are in the New Year, we have lots of things that we need to get done. First, please mark your calendars for February 8th for the one day tech class. We love to see as many hams there to show their support. Second, the officer's will be talking about how to bring in new members and retain the ones that we have. There are so many hams in Johnson County that aren't members or that may not know about MARC or just put us on the back burners. We need to reach out to these hams. Any suggestions would be appreciated.

We need to work on helping the techs that want to become a general do this. I could beat that the new tech would be interested in attending a general class too. I am suggesting that before our next tech class in the fall, we try to help out techs move into general. We have had a few members request this.

The PIO team met and has come up with some great ideas to help with getting our name out there. With just one meeting, I am sure we have a good team in place. Anyone interested in helping get the word out about what we do, please let Kevin or Rusty know.

We also need to start writing grants requesting funds for the new equipment that will be needed for our new room once the county gets done with the new building. Anyone who knows how to write grants, please let us know.

Please see Linda Harshbarger, KC9GHC, about getting dues current for 2014. They are only \$18.00. Also, anyone wanting to purchase a club shirt please see Linda or myself. They are \$28.00.

Our speaker for Jan will be Chris Frederick, KQ9Y. He will be talking about Coax Cable. See you Jan 18th at 8:00am. The coffee will be on.

Jacki KI6QOG
President

A FRIENDLY REMINDER

PLEASE RENEW YOUR MEMBERSHIP TO M.A.R.C. FOR 2014

SEE LINDA KC9GCH AT THE NEXT CLUB MEETING AND SHE WILL BE
GLAD TO HELP YOU RENEW YOUR MEMBERSHIP.

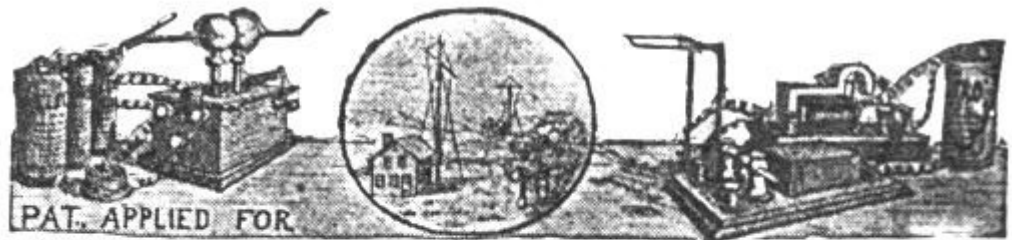
DUES ARE STILL, \$ 18.00 FOR THE YEAR.

YOUR MEMBERSHIP IS VERY IMPORTANT TO US.

RADIO HISTORY

Scientific American, November 25, 1905, page 427:

This advertisement for the Electro Importing Company's new radio transmitting-and-receiving package, the "Telimco Wireless Telegraph Outfit", ("Guaranteed to work up to one mile"), first appeared in *Scientific American* magazine on November 25, 1905, and then began running weekly starting two weeks later. The Telimco system included a battery-



WIRELESS TELEGRAPH

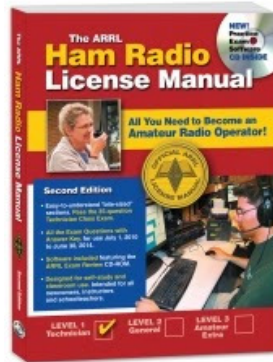
The "Telimco" Complete Outfit, comprising 1 inch Spark Coil, Strap Key, Sender, Sensitive Relay, Coherer, with Automatic Decoherer and Sounder, 4 Ex. Strong Dry Cells, all necessary wiring, including send and catch wires, with full instructions and diagrams, \$8.50. Guaranteed to work up to one mile. Send for Illust. Pamphlet & 64-page catalogue.
ELECTRO IMPORTING CO., 32 Park Place, New York

operated spark transmitter, shown on the left, plus a tapping-coherer receiver, also battery operated, shown on the right. (The use of a spark transmitter and tapping-coherer receiver meant it could only be used to send and receive telegraphic dots-and-dashes, and not full audio.) This small ad—which measured just 2-1/4 inches wide by 1-1/8 inches high (60 by 28 millimeters)—appeared on the back pages of the magazine, mixed in with the advertisements for sundry offering by numerous other small firms. It is generally believed that this was the first-ever advertisement run by a company selling complete radio systems to the general public.

Hugo Gernsback later reported that some people were so suspicious whether the Telimco Outfits could really be sold so cheaply, that the New York City police department sent over an officer to check things out and make sure the ads weren't really some sort of scam. Also, at some point, Gernsback appears to have forgotten the exact date on which the first Telimco advertisement appeared. The Electro Importing catalogs from the mid-teens state that the ads premiered in *Scientific American* in November, 1905. However, in a special issue of *Radio Craft* published in March, 1938, Gernsback gave the date as January 13, 1906, and even included a picture of the January 13, 1906 ad, which is slightly different from the actual first ad that appeared six weeks earlier.

The Telimco brand name was a contraction of **The Electro Importing Co.** In addition to Telimco Wireless Telegraph Outfits, you could also buy Telimco Experimental X-Ray Outfits, Telimco-meters, Telimphones, etc.

ONE DAY TECHNICIAN CLASS



One-Day Technician License Class is scheduled for **Saturday February 8, 2014.**

Class begins at 8am in the Johnson County EMA training room 1100 Hospital Rd, Franklin, IN.

Class is free but students Must purchase the Ham Radio License Manual and study before the class.

Class size is limited. To enroll contact: [secretary@midstatehams.org/](mailto:secretary@midstatehams.org)

This is an intense 8 hour class with VE testing to follow.

M.A.R.C WEEKLY NET STATISTICS

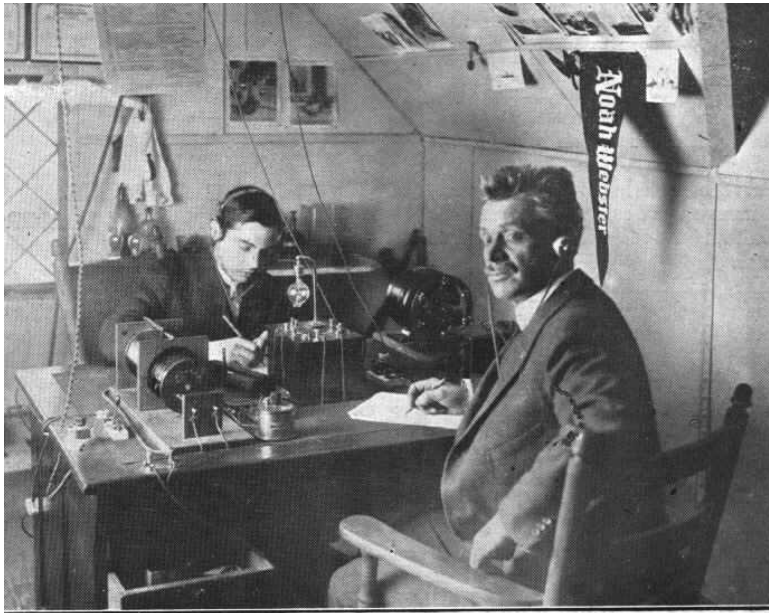
I did a recap on our net statistics since we started the “modern era”, from 2008 – 2013 for which I had the information. Last year with all the NCS help, we had our best year. In 2013, the most we had for one week was 37 and the least was 25. Seven weeks were 35 or more.

Thanks to everyone.

73,
Steve K9DY

	2008	2009	2010	2011	2012	2013
TOTAL CHECK INS -	1217	1428	1284	1211	1365	1618
# WEEKLY NETS -	52	52	51	51	52	52
AVERAGE NUMBER OF CHECK INS -	23.4	27.5	25.2	23.7	26.3	31.1

Hiram Percy Maxim Film Featured in February Digital QST



Hiram at his home station.

In the February 2014 issue of QST available to members an article that includes a four minute film of Maxim filmed in the 1920's. According to the Steve Ford WB8IMY the editor-in-chief of QST magazine that movie footage of Maxim is very rare to find. The black and white silent films typically portrayed Maxim's family life and do not appear to include his Amateur Radio activities. "Even so," Ford explained, "We managed to find footage that included such historic Amateur radio figures as Clarence Tuska, K.B. Warner and Maxim himself, of course."

"After seeing only still images of Hiram Percy Maxim for so many years, it is astonishing to view him as a living human being," Ford said. "You see the man in motion, laughing with friends and family, enjoying a snack on a rowboat and even taking a dip in the ocean. You quickly gain the impression that Maxim was a dynamic individual, not just a fellow sitting in front of a radio."

The film can be viewed at the Multimedia page on the ARRL website at <http://www.arrl.org/multimedia>

..... edited version from QST February 2014

New Amateur Radio Products

New dipole centre balun

SOTabeams has just released the latest in an ever-growing range of specialist portable products.

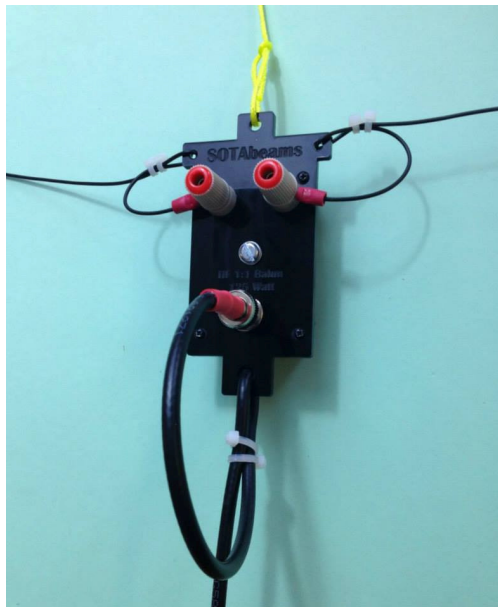
Their balun is combined with a dipole centre and has been designed to offer an excellent common mode impedance of over 1,500 Ohms across the entire HF range.

In keeping with SOTabeams portable ethos, the balun has been designed to be lightweight and rugged, it is rated at 125 Watts.

Baluns are particularly useful in situations where RF in the shack may cause problems such as TVI. Or interference to computers used for datamodes.

More at www.sotabeams.co.uk

This product will soon be available in the US.



New Products From MFJ!

MFJ-151RC / MFJ-153RC

Full-color Atomic wireless weather stations

New from MFJ Enterprises, Inc. the MFJ-151RC or MFJ-153RC full-color animated screens. These are very helpful during SkyWarn net activations or if you make a DX contact and you want to tell them your current weather information. These units look like a useful addition to your station.

You get Atomic 24/12 hour time and date received from WWVB in Fort Collins, Colorado, a month, day and date display, color forecast icons: sunny, partly sunny, cloudy, rainy or stormy, heat index and dew point, indoor and outdoor temperature and humidity with minimum/maximum and 12-hour forecast based on changing barometric pressure all brightly displayed on a handsome large animated screen.

Indoor temperature range is +32F to +122F (0C to 50C). 1 to 99% RH. Outdoor temperature range is -40F to 140F (-40C to 60C). Each unit has a wireless outdoor sensor that transmits outdoor temperature and humidity over 200 feet. It also has a low battery icon for weather station and sensor. Use up to three outdoor sensors for different areas of the home.

..... ® MFJ Enterprises



Looking for an inexpensive radio

AnyTone AT-3318-UV-A

The specs look promising and the price is competitive (\$99.00).

- 5 Watts VHF
- 4 Watts UHF
- RX & TX 136-174 MHz & 420-520 MHz
- RX FM Broadcast 79-108 MHz
- Wide Band & Narrow Band
- 2.5 kHz tuning step for splinter frequencies
- 5/Tone encode and decode
- 199 Channels with Alpha Tags
- Squelch level adjustable for each channel
- Squelch tail elimination
- CTCSS that really works – when scanning channels, radio will stop ONLY when CTCSS tone is present
- VFO Scanning – frequency limits can be set for both VHF & UHF
- Channel Scanning – scanned channels can be ADDED or REMOVED via the keypad
- Frequency Reverse button – exchanges TX & RX frequencies
- Talk Around button – sets TX frequency to repeater's output frequency
- Programmable by computer
- EASY to manually program
- Keypad totally lockable to meet FCC Part 90 requirements

Matt, W1MST, is the editor of AmateurRadio.com.

Local Nets FYI

INARES HF Voice Net

Repeats every week every Sunday until Sun Dec 28th 2014 .

Sunday 5:00pm IN-ARRL 80m SSB | 3.900 MHz IN Statewide

Tune in to the IN ARES HF voice net at 3.900 MHz LSB at 5:00 PM Eastern Time every Sunday.

Johnson County ARES Net

Repeats every week until Sun Dec 28th 2014 .

Sunday 7:00pm Mid States ARC | 146.835 MHz Johnson

Hamilton County ARES Net

Repeats every week every Sunday until Sunday Dec 28th 2014 .

Sunday 8:00pm Hamilton Co ARES 2m | 145.170 MHz Hamilton

\The Hamilton County ARES Net is every Sunday at 2000 hours on the 145.170 (PL77) repeater which is linked to the 443.550 (PL77) repeater.

IN-ARRL CW Traffic Net QIN (evening)

Repeats every day until Wednesday Dec 31 2014 .

Sunday 8:00pm IN-ARRL CW | 3.535 MHz IN Statewide

For more information, go to: <http://indianacw.net>

IN-ARRL CW Traffic Net QIN (morning)

Repeats every day until Wednesday Dec 31 2014 .

Monday 9:30am IN-ARRL CW | 3.535 MHz IN Statewide

For more information, go to: <http://indianacw.net>

Shelby County ARES Net

Repeats every week until Monday Dec 29 2014 .

Monday 7:30pm Blue River ARC 2m | 145.480 MHz Shelby

Hendricks County ARES Net

Repeats every week every Tuesday until Wednesday Dec 24 2014 .

Tuesday 7:30pm Hendricks Co ARS | 147.015 MHz Hendricks

Check-ins, announcements

Hancock County ARES Net

Repeats every week every Tuesday until Wednesday Dec 24 2014 .

Tuesday 7:30pm Hancock ARC primary 2m | 145.330 MHz Hancock

Indianapolis 220 net

Repeats every week every Tuesday until Wednesday Dec 24 2014 .

Tuesday 8:00pm K9XV | 224.800 MHz Marion

Dust off your 220 rig and join Steve Curtis ND9C on 224.800 MHz (88.5 Hz PL tone) every Tuesday evening at 8:00pm. The 224.800 repeater is usually linked to the 147.210 repeater for this net, so even if you don't have a 220 radio, you can join in.

Newsline

Repeats every week until Wednesday Dec 24 2014 .

Wednesday 7:00pm Indianapolis Repeater Assoc 2m | 146.700 MHz Marion

[link:Amateur Radio Newsline] news broadcast.

Marion County ARES and Information Net

Repeats every week until Wednesday Dec 24 2014 .

Wednesday 7:30pm Indianapolis Repeater Assoc 2m | 146.700 MHz Marion

Morgan County ARES

Repeats every week until Wed Dec 24 2014 .

Wednesday 8:00pm Morgan RA 2m | 147.060 MHz Morgan

INARES HF Digital Net

Repeats every month every Wednesday until Wednesday Dec 24 2014 .

Wednesday 8:30pm IN-ARRL Digital | 3.583 MHz IN Statewide

Mode: OLIVIA 500/8 (mode may change at discretion of net control)

Use of FLDigi / FLMSG programs is expected to fully participate in this net. Operators using other software will not be able to copy and extract messages sent in standard template format using error detection.

Operators proficient with FLDigi and who have robust digital stations on 80m should contact Larry WB9FHP during the net and offer to serve as net control occasionally. This is the Indiana ARES Digital Net and we need to share the load and responsibility for maintaining this net.

Boone County ARES Net

Repeats every week every Thursday until Thursday Dec 225 2014 .

Thursday 8:00pm N9HLL | 147.105 MHz

Boone

Marion County IDHS RACES Net

Repeats every month on the first Sunday until Sunday Dec 07 2014 .

Sunday 7:00pm District 5 VHF | 147.210 MHz

District 5

This RACES Net is open to all licensed amateur radio operators. It is for the testing of equipment and the dissemination of information.

IDHS RACES Monthly Net

Repeats every month on the second Sunday until Sun Dec 07th 2014 except Sunday Jan 04 2015,

Sunday July 06 2014.

Sun 10-13 6:00pm IDHS RACES 80m SSB | 3.920 MHz

IN Statewide

The purpose of the net is to evaluate Indiana amateur radio disaster communications through the RACES program and to pass traffic and information.

All Indiana county EMA Directors or their designated representatives only are asked to check-in to this net.

2014 HAMFESTS

Please watch this space for more information.



MID-STATE AMATEUR RADIO CLUB

The Mid-State Amateur Radio Club meets the THIRD SATURDAY of each month in the basement of the Johnson County Emergency Management Agency, 1111 Hospital Road, Franklin, Indiana 46131.

See our website, www.midstatehams.org, for maps on how to get to our meeting.

Everyone is welcome; you do not have to be a HAM to attend our meetings or a member of the club.

WA9RDF
Repeater
146.835/
146.235 MHz
151.4 Hz PL Tone

Club Officers:
President: Jacki Frederick – KI6QOG
Vice President: Dave Daily – KB9LOT
Secretary: Rhonda Curtis– WS9H
Treasurer: Linda Harshbarger – KC9GCH
Repeater Trustee: Steve Brown – N9LC

Weekly Net: Sunday evening 7:00 PM ARES/RACES members and ALL RADIO AMATEURS

The Official Newsletter of the Mid-State Amateur Radio Club

*P.O. Box 836
Franklin, Indiana
46131*

Editor: Robert LaGrange N9SIU

Please send your articles to my email n9siu@yahoo.com no later than the 3rd of the month

